"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, B.A.

Increase the production of sesame, a valuable confectionery raw material. Khleb.i kond.prom. 1 no.7:20-22 Jl '57. (MIRA 10:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Sesame)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, B.A.

Types of corn used as food. Kons.i ov.prom. 12 no.6:38 Je '57. (MLRA 10:7)

(Corn (Maize))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, B.A., kand. sel'skokhoz. nauk

Physical and mechanical properties of the seeds of oats and wild oats. Trudy VISKHOMa no.32:3-12 '62. (MIRA 12:2)

Agronomic evaluation of new highly productive grain cleaning machines. Ibid.:111-128

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, N.B.

Effect of the level of contractile functions of the heart on the production of sympathetic effects. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:33-34 '64. (MIRA 18:6)

1. Laboratoriya fiziologii i patofiziologii miokarda (zav. - doktor med.nauk F.Z.Meyerson) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

ROZANOVA, L.S.; VORONYUK, N.B.

Influence of the level of cardiac contractile function on the realization of the sympathetic effect. Biul. eksp. biol. i med. 60 no. 10:29-32 O '65 (MIRA 19:1)

1. Laboratoriya fiziologii i patofiziologii miokarda (zav. - doktor med. nauk F.Z. Meyerson) Instituta normal'noy i patologicheskoy fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR, Moskva. Submitted April 22, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, P.I.

56-7-13/66

AUTHOR KLINGER, M.I., VORONYUK, P.I.

TITLE Magnetoresistive Phenomena in n-Ge Type Semiconductors located in Strong Magnetic Fields.
(Gal'vanomagnitnyye yavleniya pri sil'nykh magnitnykh polyakh v poluprovodnikakh tipa n-Ge.- Russian)

PERIODICAL Zhurnal Eksperim. i Teoret. Fiziki 1957, Vol 33, Nr 7 pp 77-87 (USSR)

ABSTRACT The present paper investigates the equilibrium concentration of the electrons, HALL'S constant, end the electrical resistance in semiconductors of the type of n-Ge in the presence of a strong magnetic field. Here the anisotropy of the mass of the electron in strong magnetic fields is taken into account. The computation of current intensity: The electric $\vec{E}$ is assumed to be directioned along the X-axis and the vertical magnetic field $\vec{H}$ along the Z-axis. The author here computes the components of the electric current intensity $\vec{j}$ for crossed electric and magnetic fields by the method of steady states. For this purpose the energy spectrum of the electron with anisotropic mass has to be determined. As a mechanism for the scattering of electrons the interaction of an electron with a longwaved longitudinal acoustic phonon is investigated.

CARD 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Magnetoresistive Phenomena in n-Ge Type Semiconductors located in Strong Magnetic Fields.

56-7-13/66

The next chapter deals with the exponential anisotropy of the concentration of the current carriers. In conclusion expressions are determined for the electric resistance and for HALL'S constant in a strong magnetic field. At increasing $\hbar\omega_0/kT$ R and ϱ_H increase rapidly, namely like $(\hbar\omega\tau_0/4kT)$.

The electric resistance and HALL'S constant have an important anisotropy because they depend upon the direction of the magnetic field (HALL'S constant depends also upon the direction of the electric field). All results obtained here are valid for unipolar admixture semiconductors without degeneration of the electron gas. (With 2 Illustrations)

ASSOCIATION: Chernovtsy State University, Institute for Semiconductors of the Academy of Sciences of the U.S.S.R. (Chernovitskiy gosudarstvennyy universitet, Institut poluprovodnikov Akademii nauk SSSR)

PRESENTED BY: -
SUBMITTED: 19.11. 1956
AVAILABLE: Library of Congress.
CARD 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONYUK, P. I.

AUTHORS: Klinger, M. I., Voronyuk, P. I. 57-27-7-33/40

TITLE: Galvanomagnetic Phenomena in n-Ge or n-Si Monocrystals in Strong Magnetic Fields (Gal'vanomagnitnyye yavleniya v monokristalle n-Ge ili n-Si pri sil'nykh magnitnykh polyakh).

PERIODICAL: Zhurnal Tekhnicheskoy Fiziki, 1957, Vol. 27, Nr 7, pp. 1609-1613 (USSR)

ABSTRACT: The electric resistance ϱ_H in a transverse magnetic field H and the Hall-constant R in strong fields H in a monocrystal of the type n-Ge or n-Si are investigated here. The conductivity-electron in Ge or Si is a quasi-particle with an anisotropic mass (m_1 - transverse mass, m_2 - longitudinal mass), its surfacesof the constant energy are ellipsoids of revolution of which eight are present in Ge and six in Si. In a magnetic field the energy-spectrum of these conductivity-electrons is quantized and in sufficiently strong H this effect plays an important part. In the calculation ϱ_H and R this effect and the anisotropic character of the electron-mass (in the present paper) are taken into account.

Card 1/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Galvanomagnetic Phenomena in n-Ge or n-Si Monocrystals in Strong Magnetic Fields 57-27-7-33/40

It is shown that Q_H and R rapidly increase with increasing $\frac{H}{T}$, just as in an isotropic case. What is new in comparison with an isotropic case is that the quantities N, R and Q_H are highly anisotropic. N - the electron-number density of the ellipsoid. It is shown that the anisotropy of the quantities Q_H and R is the distincter the higher the anisotropy of the mass

$$\ell = \frac{m_2}{m_1}$$

But as the anisotropy N (H, T) is the determinent element, not only Q_H and R but also other equilibrated kinetic coefficients are exponentially anisotropic.
There are 4 references, 3 of which are Slavic.

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Galvanomagnetic Phenomena in n-Ge or n-Si Monocrystals in Strong Magnetic Fields 57-27-7-33/40

ASSOCIATION: Institute for Semiconductors AS USSR; State University of Chernovtsy (Institut poluprovodnikov AN SSSR, Chernovitskiy gosudarstvennyy universitet).

SUBMITTED: January 28, 1957

AVAILABLE: Library of Congress

1. Single crystals-Electrical properties 2. Germanium-Electrical properties 3. Silicon-Electrical properties

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Magnetic properties of semiconductors. K. D. Tovstyuk.

This presentation consisted of the following papers:

Anisotropy of susceptibility of semiconductors. K. D. Tovstyuk, E. I. Slynko, I. M. Stakira, O. M. Boretz.

Magnetic and thermomagnetic properties of HgTe, PbTe, HgSe, PbSe. K. D. Tovstyuk, M. P. Gavaleshko, Ya. S. Budzhak, P. M. Starik, P. I. Voronyuk.

Magnetic susceptibility of CdTe and ZnTe. I. V. Potykevich, A. V. Savitskiy.

Magnetic properties of the system HgTe-CdTe. K. D. Tovstyuk, I. M. Rarenko, I. V. Potykevich.

Anisotropy of the thermal conductivity of CdSb. I. M. Pilat, L. I. Anatychyuk.

Electrical, magnetic, and optical properties of the system In_2Te_3-CdTe. I. V. Potykevich, A. I. Belyayev, S. V. Chepura.

Properties of crystals of CdSb doped with elements of groups IV and VI. S. M. Gusev.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Thermomagnetic and magnetic properties of PbSe. Ya. S. Budzhak.

Certain anomalous properties of p-type PbTe. P. M. Starik, P. I. Voronyuk.

Galvanomagnetic and thermomagnetic effects in HgTe. N. V. Gavaleshko.

Production and electrical properties of HgSe and the system HgSe-HgTe. I. M. Rarenko, V. M. Nikitenko.

Electrical properties of In_2Se. I. M. Stakhira, A. N. Borets.

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

ACCESSION NR: AP4012028 S/0185/64/009/001/0026/0031

AUTHOR: Stary*k, P. M.; Voronyuk, P. I.

TITLE: Impurity levels in p-type PbTe

SOURCE: Ukrayins'ky*y fizy*chny*y zhurnal, v. 9, no. 1, 1964, 26-31

TOPIC TAGS: current carrier, impurity, impurity atom, Hall effect, acceptor, impurity conductivity, impurity level, acceptor level

ABSTRACT: This work was carried out to determine why the annealing of PbTe crystals of the p-type at low temperatures causes great changes in their properties. The Hall effect and electric conductivity were measured on annealed single-crystal samples with a current carrier concentration of about 10^{16} cm^{-3}. A temperature dependence of the Hall effect is found in the region of impurity conductivity. This dependence is sufficiently well explained by the presence of two types of acceptor levels: shallow ones, assumed to be made up of excess Te atoms, with an activation energy ΔE of about 0, the concentration of which changes during annealing, and relatively deep ones with $\Delta E = 0.04$ ev, the concentration of which is unchanged during annealing. It is concluded that the deep levels are evidently

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

ACCESSION NR: AP4012028

formed by impurity atoms and play a certain part in current carrier scattering at low temperatures. Orig. art. has 6 formulas, 5 figures and 1 table.

ASSOCIATION: Chernivets'ky*y Derzhuniversy*tet (Chernovtsy State University)

SUBMITTED: 17Jun63 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: PH NO REF SOV: 001 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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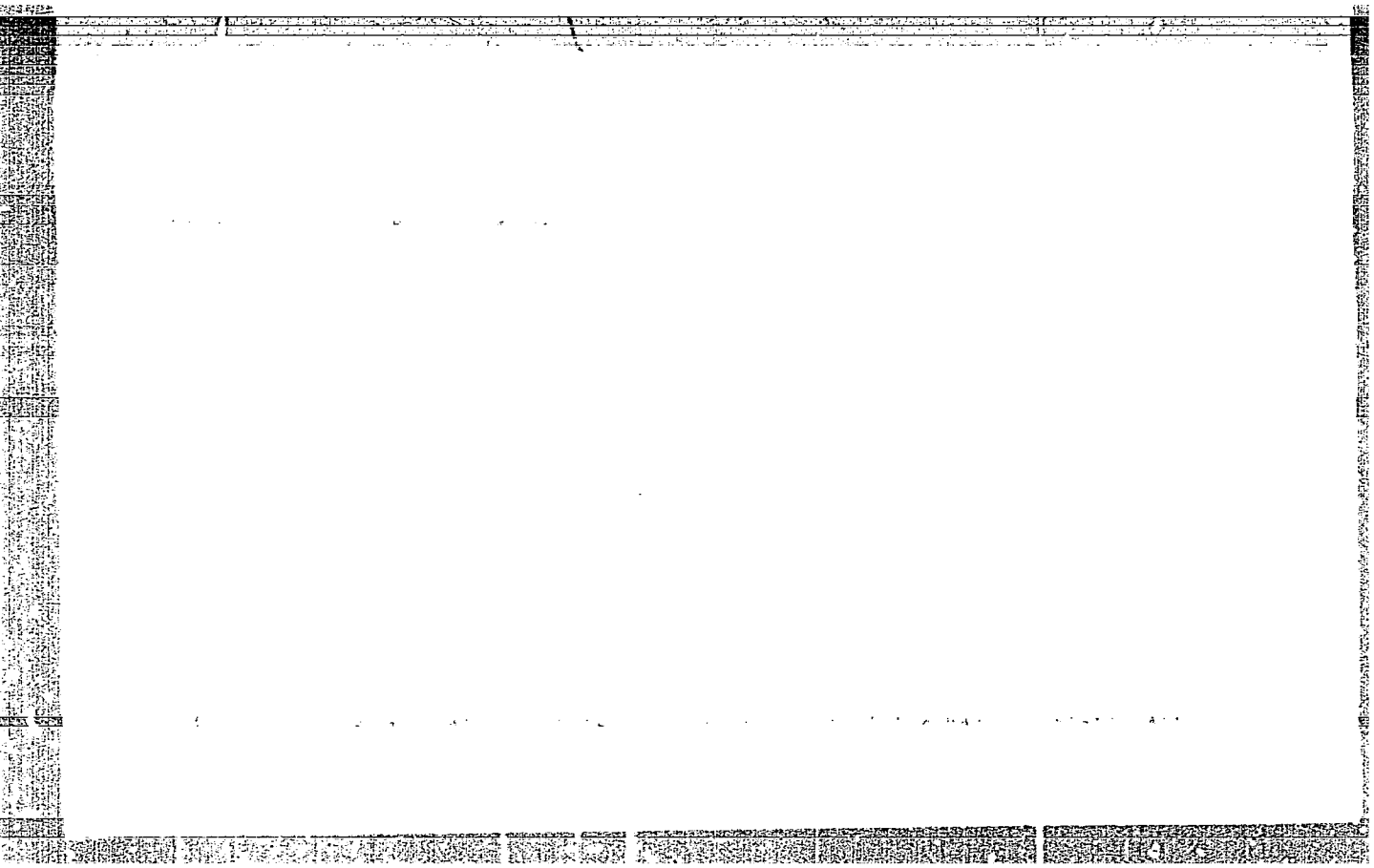

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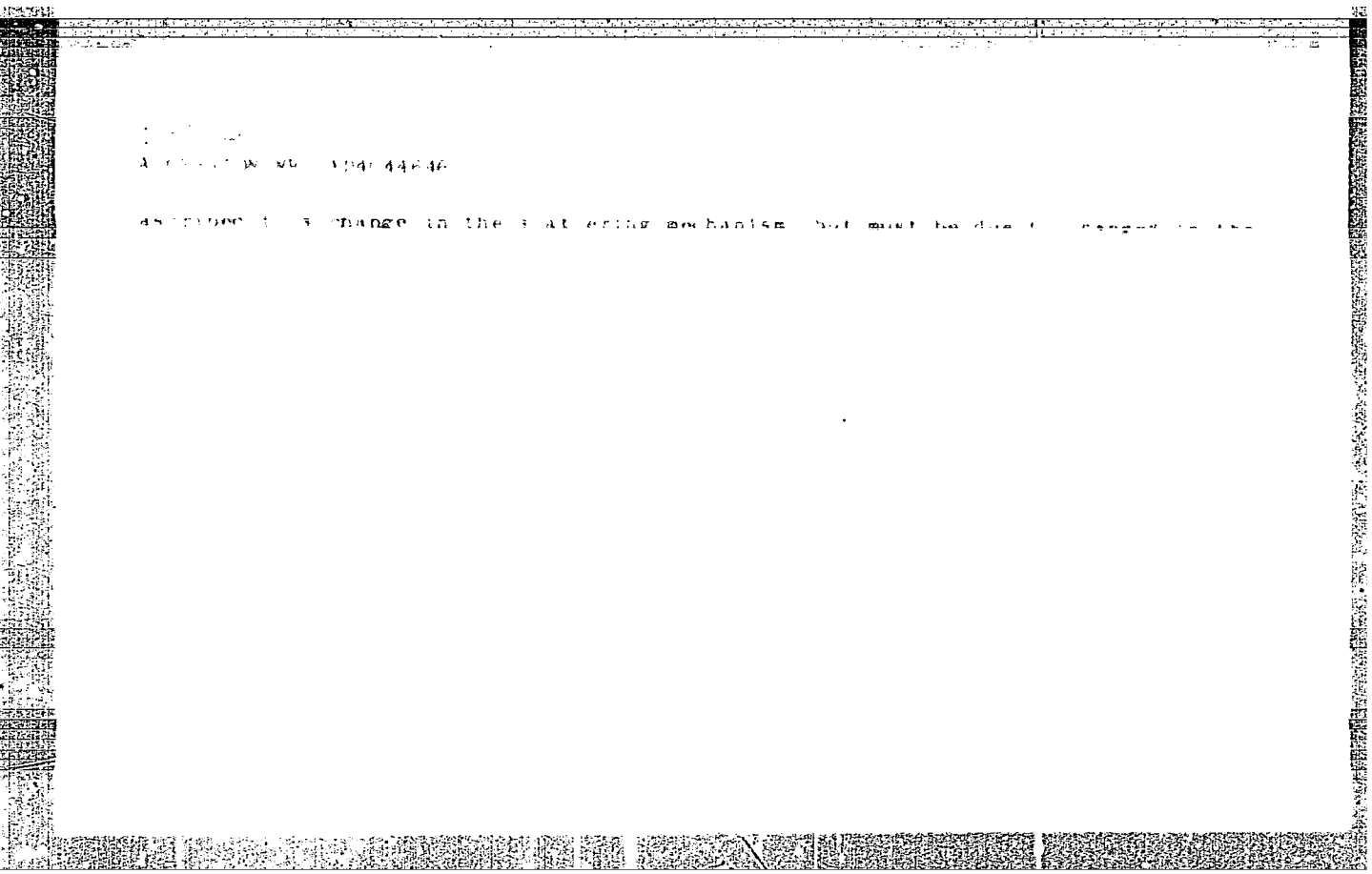

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L 11615-66 EWT(1)/EWT(m)/EWG(m)/T/EWP(t)/EWP(b) LJP(c) RLW/JD/GG
ACC NR: AT6002262 (N) SOURCE CODE: UR/2564/65/000/000/0281/0283

AUTHOR: Starik, P. M.; Voronyuk, P. I.

ORG: none

TITLE: Growing of PbTe single crystals by the Czochralski method [Paper presented at the Third Conference on Crystal Growing held in Moscow from 18 to 25 November, 1963]

SOURCE: AN SSSR. Institut kristallografii. Rost kristallov, v. 6, 1965, 281-283

TOPIC TAG: lead compound, telluride, single crystal growing

ABSTRACT: PbTe single crystals were grown at pressures from 1.5 to 5 atm in argon in an apparatus customarily employed for the Czochralski method. The composition of the crystallizing phase differed from that of the melt: the latter was richer in lead. Liquation was thought to play an important part during the crystal growth. The major part of the crystal had p-type conductivity; only the lowest part had n-type conductivity. The crystals obtained were 15 mm in diameter and up to 30 mm long. The direction of growth coincided with the [100] direction. The pulling rate was about 10 mm/hr, and the rotation rate of the

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

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ACC NR: AT6002262

seed, 30 rpm. Measurements on p-type crystals showed that in the direction of growth they had a low resistance gradient. In the radial direction the inhomogeneity did not exceed 3%. The carrier concentration in p-type samples was 3-4 x 10^{18} cm^{-3}. Orig. art. has: 3 figures.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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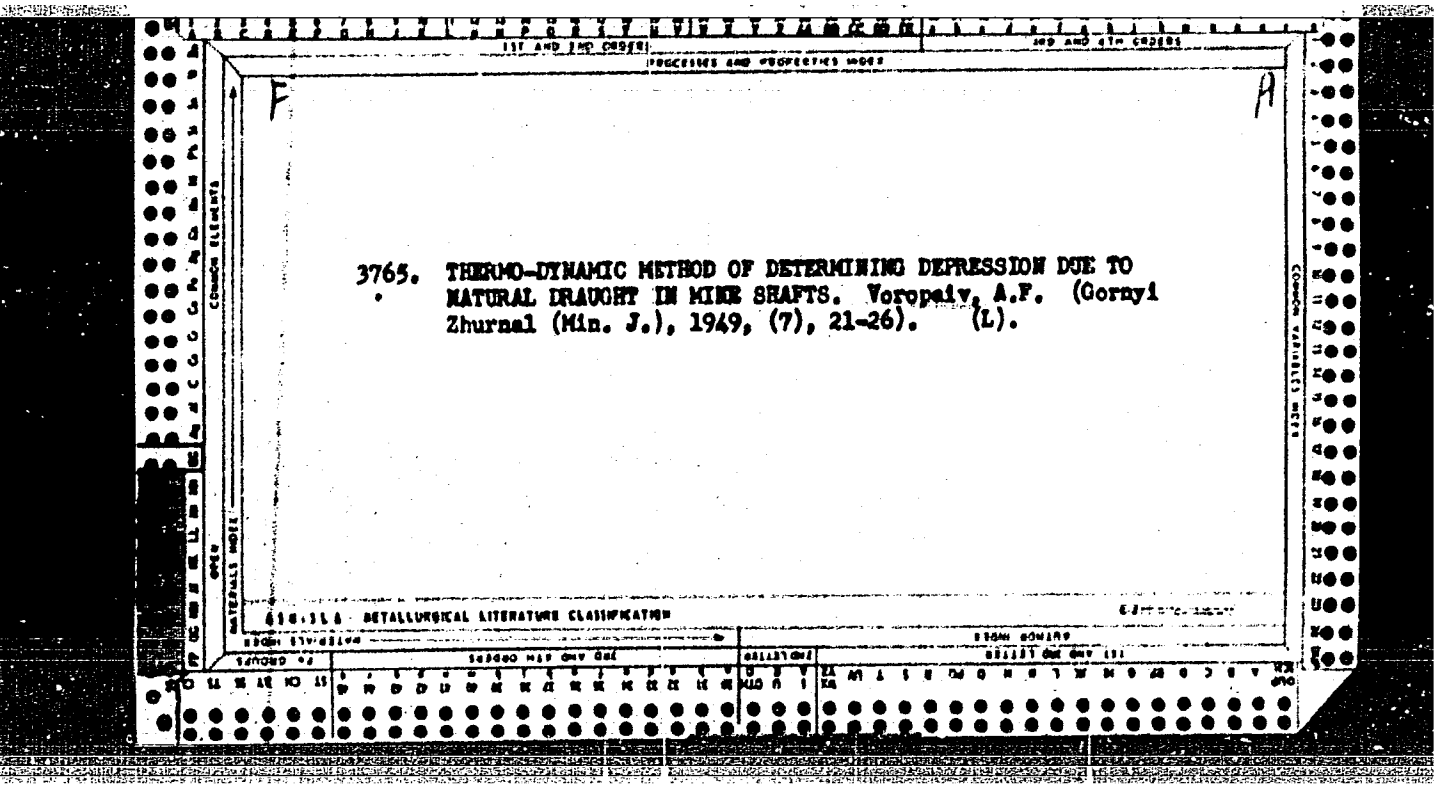

3765. THERMO-DYNAMIC METHOD OF DETERMINING DEPRESSION DUE TO NATURAL DRAUGHT IN MINE SHAFTS. Voropaiv, A.F. (Gornyi Zhurnal (Min. J.), 1949, (7), 21-26). (L).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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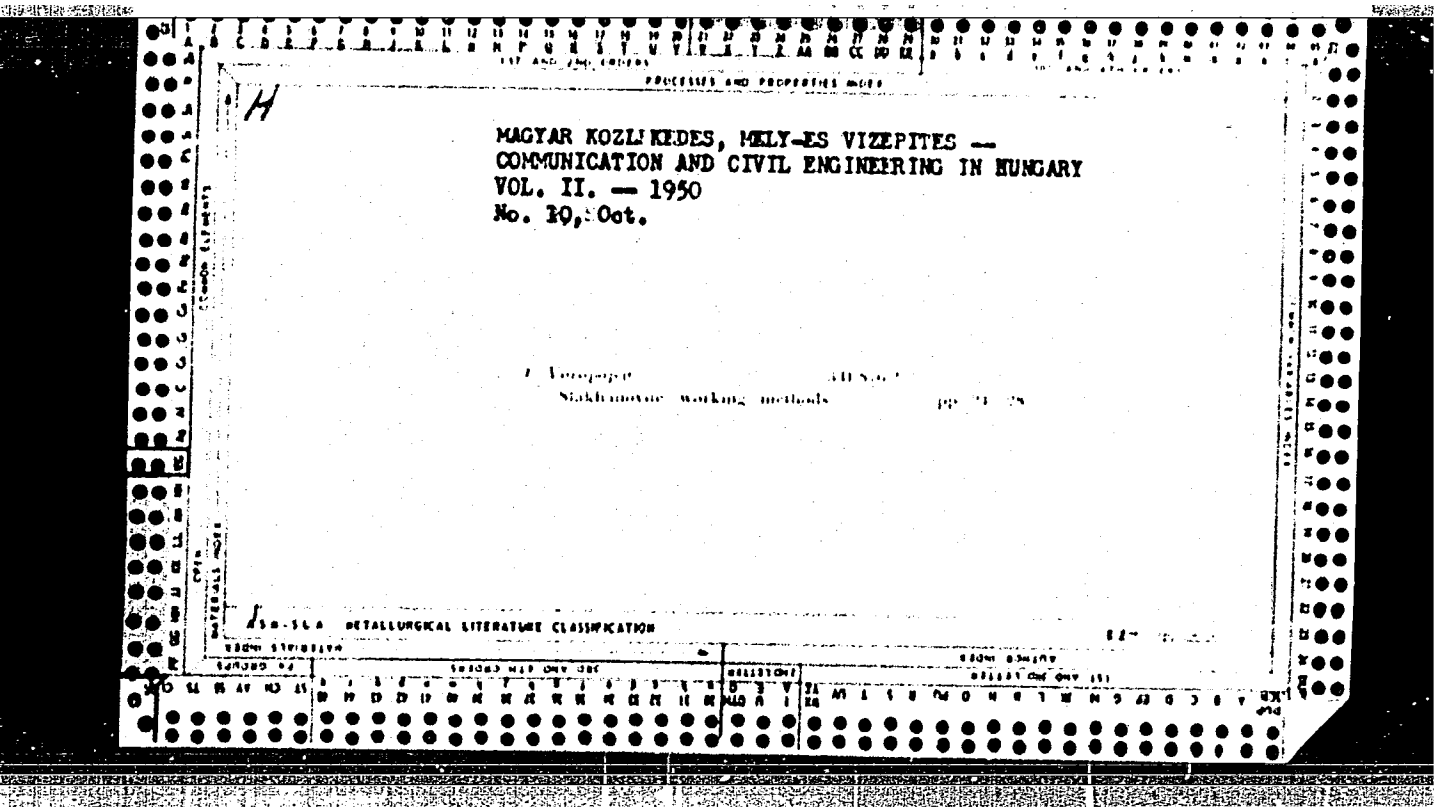

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MAGYAR KOZLEKEDES, MELY-ES VIZEPITES —
COMMUNICATION AND CIVIL ENGINEERING IN HUNGARY
VOL. II. — 1950
No. 10, Oct.

Stakhanovite working methods pp

TSB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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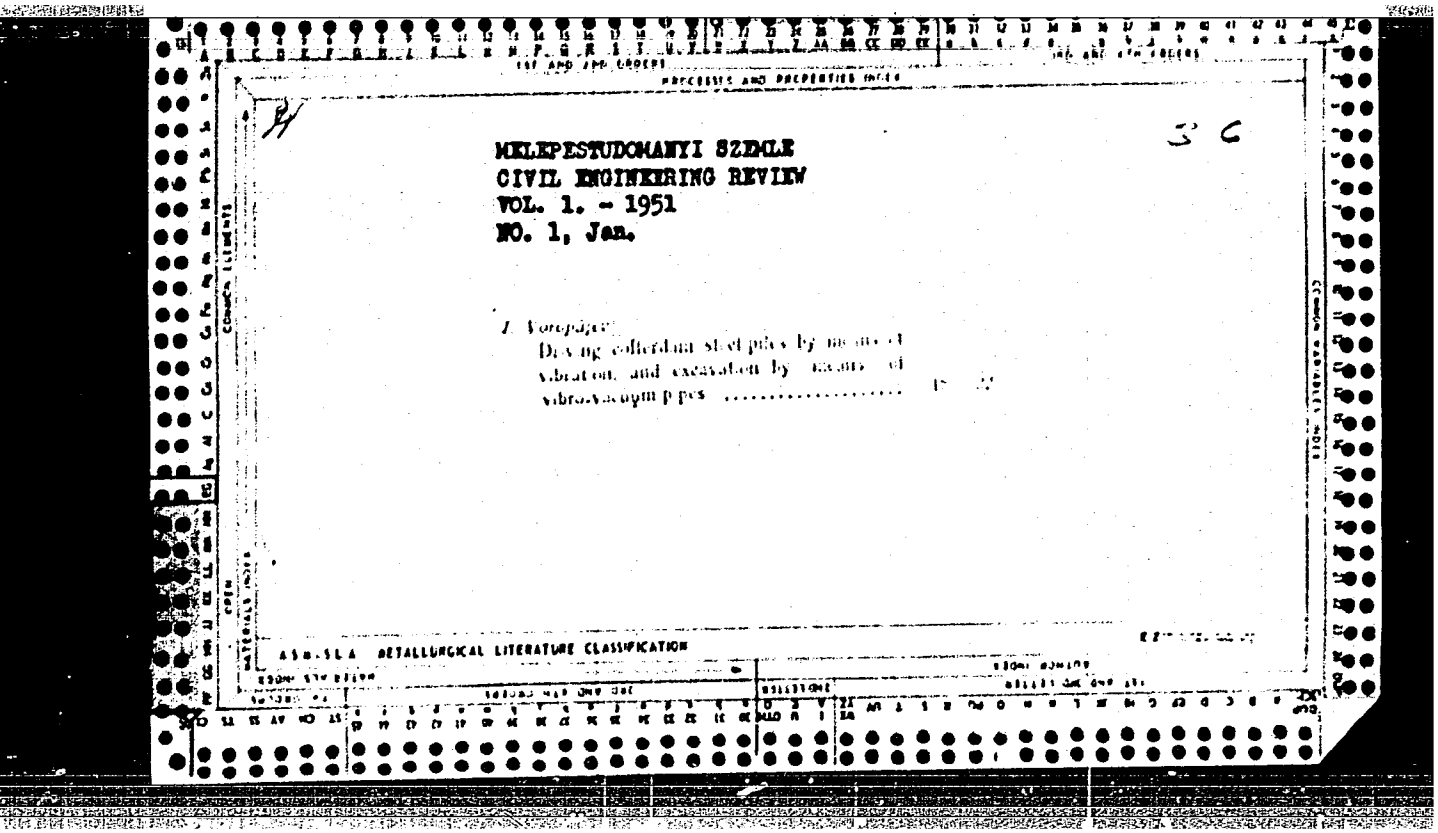

MELEPESTUDOMANYI SZEMLE
CIVIL ENGINEERING REVIEW
VOL. 1. - 1951
NO. 1, Jan.

1. Vorspajer
Driving corrugated steel piles by means of vibration and excavation by means of vibro-vacuum pipes .....

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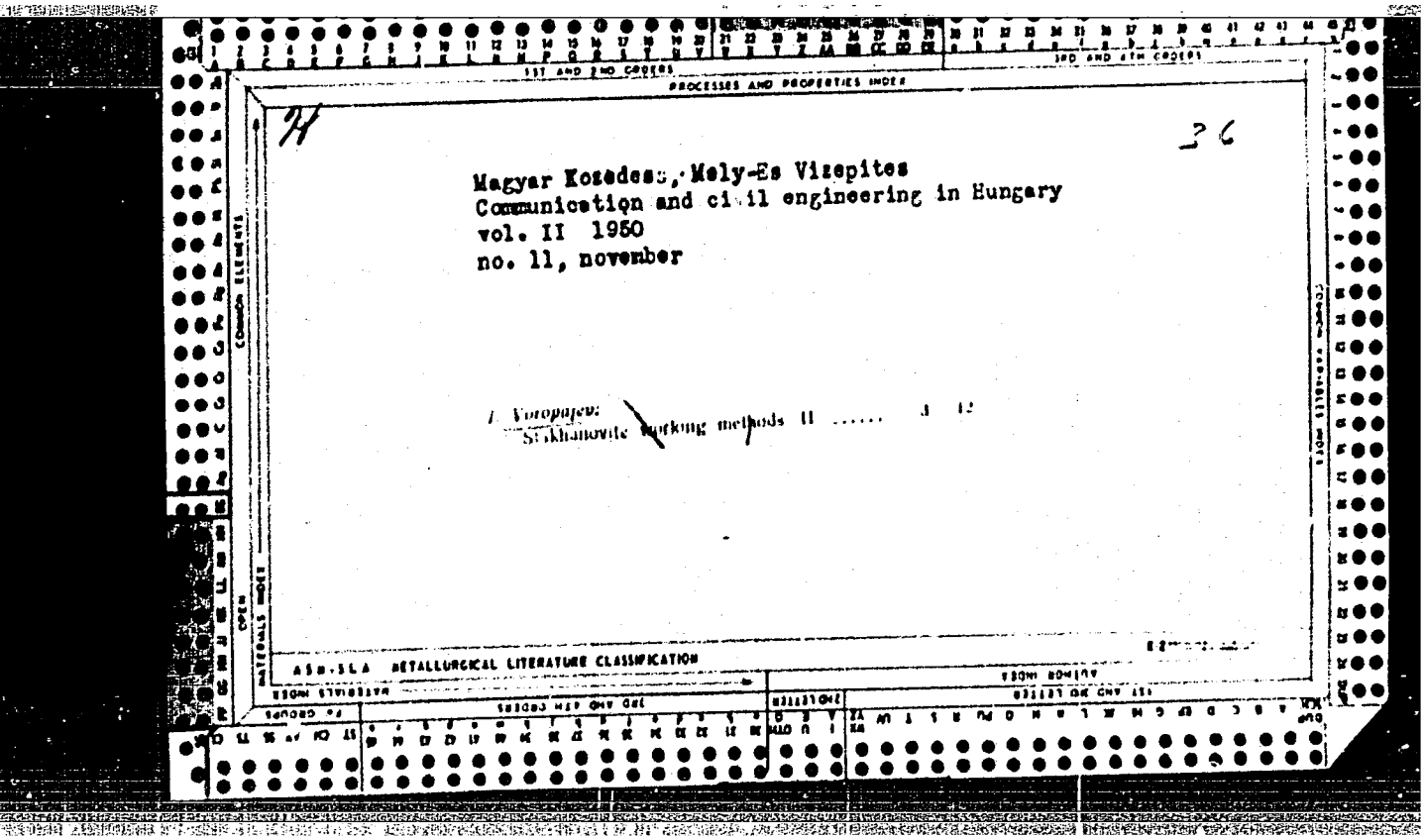

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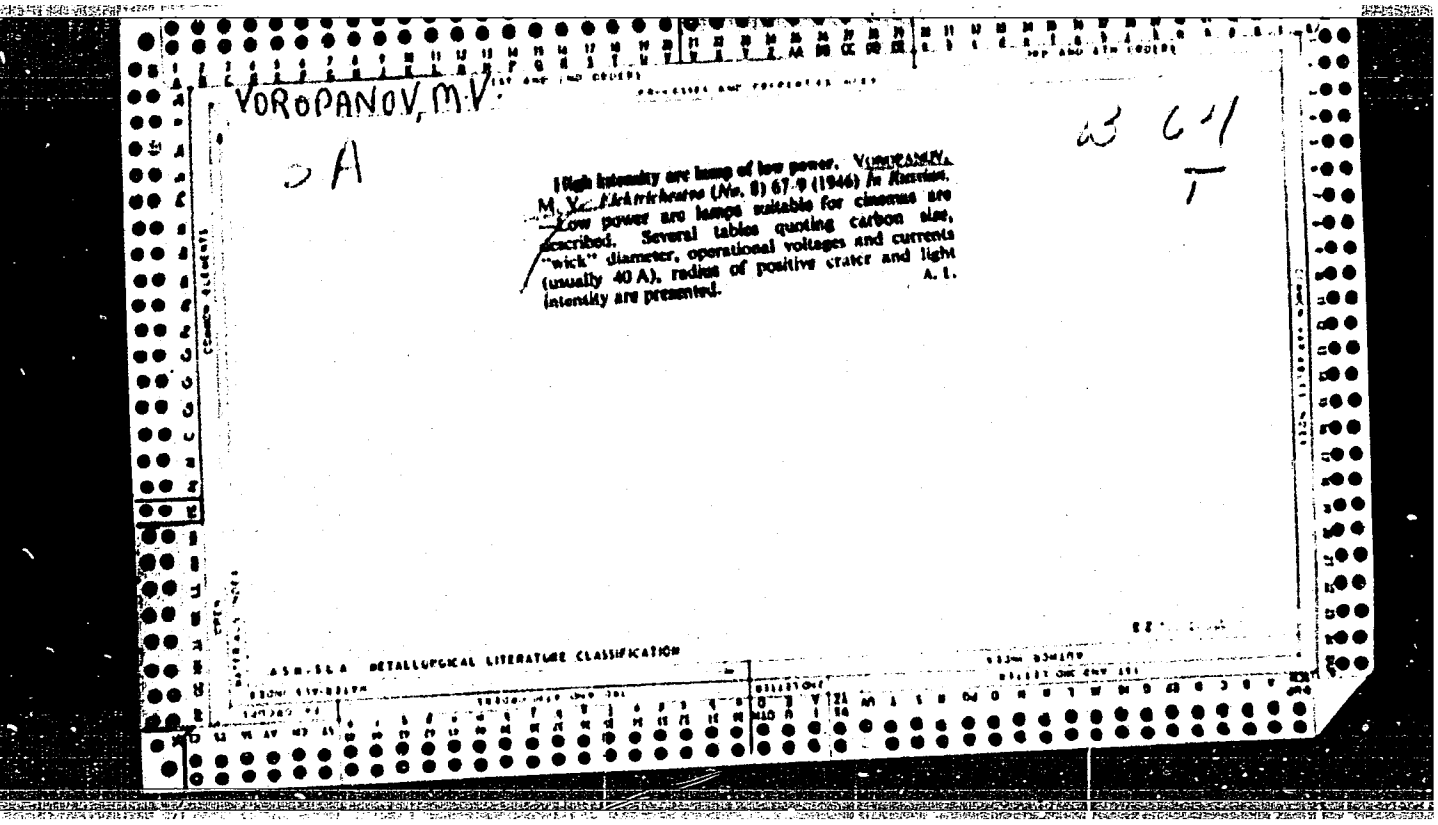

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPANOV, M. V.

USSR/Electricity - Carbon-Arc Discharge Feb 52

"A New Method for Regulating the D gree of Development of a High-Intensity Electric Arc," M. V. Voropanov, Cand Tech Sci, Sci Res Inst of the Min of Communications Equipment Ind

"Elektrichestvo" No 2, pp 56-59

Experimentally demonstrates the relationship between the development of a high-intensity arc and the type of carbon used in the holder. From this, proposes that the deg of development of the arc be regulated by changing the form of carbon in the

208T29

USSR/Electricity - Carbon-Arc Discharge (Contd) Feb 52

holder. Suggests that the different evaporability of the various carbon modifications is due to their different disperse structure. Submitted 21 Jun 51.

208T29

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

TYURIN, A.V.; NAUMENKO, I.M.; VOROPANOV, P.V.

[Forestry handbook] Lesnaia vspomogatel'naia knizhka. Moskva, Goslestekhizdat, 1945. 407 p. (MIRA 12:3)
(Forests and forestry--Mensuration)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

Doc Agricult Sci

VOROPANOV, P. V.

Dissertation: "Natural History of the Fir-Groves of the North and Their Inner Structure." 22/5/50

Moscow Forestry Inst

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

1. VOROPANOV, P.V., PROF.

2. USSR (600)

4. Forest Management

7. Answer to adherents of the "clean" practice in forest economy. Les. khoz. 5 no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPANOV, P. V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr. 1954)

Name	Title of Work	Nominated by
Voropanov, P. V.	"Spruce Forests of the North"	Povolzh'ye Forestry Engineering Institute imeni M. Gor'kiy

SO: W-30604, 7 July 1954

Voropanov, P.V.

USSR / Forestry. Forest Economy. K-4

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1347

Author : Voropanov, P.V.

Title : Relative Growth as an Index of the Tree's Relationship with the Surrounding External Medium

Orig Pub: Tr. Bryanskogo lesokhoz. in-ta, 1956, 7, 49-58

Abstract: The proposed method of determining the relative growth of vegetating trees is based upon the premise that in a growth of trees of the same age their physiological qualities will differ. To determine the relative growth by volume (according to the formula $P_v = xP_d$, where P_d is growth by the diameter) the author establishes the meanings of the undetermined factor x on the basis of a breakdown of the trees into six

Card 1/2

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPANOV, PETR

TYURIN, Aleksandr Vladimirovich, doktor sel'skokhozyaystvennykh nauk, professor; NAUMENKO, Ivan Matveyevich, doktor sel'skokhozyaystvennykh nauk, professor; VOROPANOV, Petr Vasil'yevich, doktor sel'skokhozyaystvennykh nauk, professor; ANUCHIN, N.P., redaktor; KOLESNIKOVA, A., tekhnicheskiy redaktor.

[A manual of forest mensuration] Lesnaia vspomogatel'naia knizhka; po taksatsii lesa. Pod obshchei red. A.V. Tiurina. Izd.2-oe, dop. Moskva, Goslesbumizdat. 1956. 531 p. (MLRA 10:4)
(Forests and forestry--Mensuration)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

K-1

. USSR / Forestry. General Problems.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43893

Author : Voropanov, P. V., Akhromeyko, A. I.

Inst : Bryansk Forestry Institute

Title : The Effect of the Condition of Maternal Spruce Trees at Different Stages on the Heredity of Their Offspring. (Results of Studies Utilizing Tagged Atoms)

Orig Pub: Tr. Bryanskogo lesokhoz. in-ta, 1957, 8, 87-103

Abstract: This article describes studies (1954-1955) of P uptake by the sprouts from pine and spruce seeds, 3-week old seedlings of these species and 2-year old spruce seedlings. The purpose of the study

Card 1/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

USSR / Forestry. General Problems.

Abs Jour: Ref Zhur-Biol., No 10, 43893

was to test the theory that it is possible to judge hereditary transmission of the ability for rapid growth by the rate of P absorption in the roots and the stems pf the saplings and of the capacity to developrapidly by the P content in the leaf organs. Phosphorus was labeled with its radioactive isotope P^{32}, the concentration of which comprised 0.05 millicuries per millimeter. Seedlings were grown from the seeds of mother trees in different stages. It was established that the 2-year old spruce seedlings from the seeds of those trees having rapid growth and slow development are characterized by a vigorous growth of the roots and stems and by an intense absorption of P^{32}. With advanced age in the maternal trees the growth

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

USSR / Forestry. General Problems

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43893

of these parts in the offspring weakens and the absorption of P^{32} becomes lower. The offspring of trees with rapid growth and rapid development is also characterized by a vigorous growth in the roots and stems and by an intense absorption of P^{32}. The offspring of the trees having both slow growth and development has slow growth and a weak absorption of P^{32}. The trees with an average rate of growth and development produce offspring with average indices of root and stem growth and P^{32} intake. -- L. V. Nesemelov

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

COUNTRY : USSR K
CATEGORY : Forestry. Forest Management

ABS. JOUR. : RZhBiol., No.14 1959, No. 63208

AUTHOR : Voropanov, P. V.
INST. : ---
TITLE : The Silvicultural Effectiveness of "Through Cuttings"*

ORIG. PUB. : Lesn. kh-vo, 1957, No. 12, 17-21

ABSTRACT : As the basis of the maintenance cutting method proposed by the author, trees in pure even-aged stands are divided into 4 classes of growth and development. In the bottom canopy of the stand, trees of slow development belong to class I, trees of rapid development to class IV. In the upper canopy, trees of slow development belong to class II, those of speeded development to class IIIa, and those of rapid development to class IIIb. Deadwood and defective trees are culled. As the basis for selecting trees for cutting serve spheres of influence of the centers of lighting* and the stumps with their spacing and diameters. First designated for cutting are trees of classes IIIb and IV; at the same time

Card: 1/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 14 1959, No. 63208

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : the lighted growth is increased, the percent increment grows, and the absolute current growth in stock increases. --V. T. Klimov

* [Through cutting" is described as a thinning used for stands older than 40 years; the other term, "lighting", is described as a combination of pruning and improvement cutting on a young stand of weed species.]

Card: 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

TYURIN, Aleksandr Vladimirovich, prof., doktor sel'khoz. nauk; VOROPANOV, P.V., red.; GOROKHOV, M.G., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Principles of variational statistics in forestry] Osnovy variatsionnoi statistiki v primenenii k lesovodstvu. Moskva, Goslesbumizdat, 1961. 102 p. (MIRA 14:6)
(Forests and forestry—Statistics)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPANOVA, T.A.

Importance of wild birds for forestry and agriculture in Vologda Province. Uch. zap. VGPI 27:211-218 '62. (MIRA 16:8)

(Vologda Province--Birds, Injurious and beneficial)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPANOVA, T.A.

Feeding habits of forest birds and some characteristics of adaptive morphology. Uch. zap. VGPI 27:327-336 '62. (MIRA 16:8)

(Birds--Food) (Bill (Anatomy))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, A., polkovnik meditsinskoy sluzhby

Improve sanitary conditions for troops. Tyl i snab.Sov.Voor.Sil 21 no.3:53-57 Mr '61. (MIRA 14:6)
(Russia—Army—Sanitary affairs)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

IVANOV, V., general-mayor meditsinskoy sluzhby; VOROPAY, A., polkovnik meditsinskoy sluzhby

Raise the requirements in supplying medical services to troops. Tyl.i snab.Sov.Voor.Sil 21 no.5:61-66 My '61. (MIRA 14:8)
(MEDICINE, MILITARY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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BUZINIYER, M.I.; VOROPAY, A.P.; DRUGOV, I.P.; YEVDOKIMOV, I.I.; KANTOR, V.V.; KOMARNITSKIY, Yu.A.; MAKSIMENKO, I.I.; PAVLOVSKIY, V.V.; CHEREDNICHENKO, Ye.T.; FATEYEV, P.Ya., red.; VERINA, G.P., tekhn.red.

[Socialist competition in railroad transportation; collected articles] Sotsialisticheskoe sorevnovanie na zheleznodorozhnom transporte; sbornik statei. Moskva, Gos.transp.zhel-dor. izd-vo, 1959. 222 p. (MIRA 12:12)
(Railroads)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, A.P.; ASHIN, G.K.; GONCHARUK, S.I.; MAKSIMENKO, I.I.; SUSLYAYEVA, Ye.L.; SHEMANIN, G.M.; SHEMENEV, G.I., kand. filos.nauk, red.; FATEYEV, P.Ya., retsenzent; VOLKOV, P.S., retsenzent; PESKOVA, L.N., red.; BOBROVA, Ye.N., tekhn. red.

[Communist labor of railroad workers] Kommunisticheskii trud zheleznodorozhnikov. Moskva, Transzheldorizdat, 1962. 72 p. (MIRA 15:7)

(Railroads--Employees) (Socialist competition)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, A.P.; VYZHEKHOVSKAYA, M.F.; DRUGOV, I.P.; KOMARNITSKIY, Yu.A.; MAKSIMENKO, I.I.; PAVLOVSKIY, V.V.; STEPANOV, D.A.; CHEREDNICHENKO, Ye.T.; GANKIN, M.B., retsenzent; PATEYEV, P.Ya., retsenzent; PESKOV, L.N., red.; DROZDOVA, N.D., tekhn.red.

[Competition for communist labor in railroad transportation] Sorevnovanie za kommunisticheskii trud na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 158 p. (MIRA 16:9)

(Socialist competition) (Railroads—Employees)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, A. P.

Increase of labor productivity and tasks of trade union committees. Zhel. dor. transp. 45 no.1:10-14 Ja '63. (MIRA 16:4)

1. Sekretar' TSentral'nogo komiteta professional'nogo soyuza rabochikh zheleznodorozhnogo transporta.

(Trade unions)
(Railroads—Labor productivity)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, A.V., podpolkovnik meditsinskoy sluzhby

Work practice of a medical center. Voen.-med. zhur. no.6:71-73 Je '56. (MLRA 9:9)

(MEDICINE, MILITARY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, A.V., podpolkovnik meditsinskoy sluzhby

Conference on problems of health education. Voen.-med.zhur. no.7: 93-94 Jl '56. (MLRA 9:11)
(MILITARY HYGIENE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, A.V., polkovnik meditsinskoy sluzhby

Use of visual aids in health publicity. Voen.med.zhur. no.2:4-6 F '58. (MIRA 11:4)

(HEALTH EDUCATION
use of visual aids)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

SOV/177-58-2-18/21

17(6)

AUTHOR: Vorobay, A.V., Colonel in the Medical Service

TITLE: On the Use of Visual Aids in Sanitation Propaganda

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 2, pp 84-86 (USSR)

ABSTRACT: This article deals with the use of visual training aids in preparing troops to cope with desease and injury, and in the maintenance of their health, and describes many of the pamphlets, leaflets, films and other media for this purpose developed by the professorial-instructorial staff of the Military-Medical Academy of the Order of Lenin imeni S.M. Kirov, scientific collaborators of the Military-medical Museum, and physician-specialists of other medical institutions. Several brochures are described: "Plu and its Prevention", "A Number of Gastric-Intestinal Illnesses and their Prevention", "What to Know about Radioactive Substances and Protection from them in Combat", "What to Know about Radiation Sickness", "First Aid to the Wounded in the Soviet Army", "Wounds, Burns, and Contusions", "How to Stop Haemorrhage in Injury to the Blood Vessels of the Extremities", and "Hygiene under Camp Billeting Conditions and the Training of Troops". The author refers to

Card 1/2

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On the Use of Visual Aids in Sanitation Propaganda

a large number of popular-scientific and health education titles published by "Medgiz" and the Central Institute for Sanitation Education. He also discusses the effective use of visual aids (e.g. photographic displays). The "Aid for Sanitation Education in the Soviet Army, and Navy (Voyenizdat, 1956), and a manual, "Sanitation Education in the Soviet Army, and Navy", Voyenno-meditsinskiy Muzey, 1957 are also cited.

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VOROPAY, A.V., polkovnik med. sluzhby

Health education in military hospitals. Voen.-med. zhur. no.1: 25-30 Ja '59. (MIRA 12:3)

(HEALTH EDUCATION
in Russia, in military hosp. (Rus))
(HOSPITALS,
in Russia, health educ. in military hosp. (Rus))

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VOROPAY, A.Y., polkovnik meditsinskoy sluzhby

Instruction in the principles of health education at higher institutes of military medicine. Mat. dlia prep. san. prosv. v med. inst. no.5:30-32 '59. (MIRA 13:12)

1. Glavnoye meditsinskoye upravleniye Ministerstvo oborony.
(HEALTH EDUCATION)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, A.V., polkovnik meditsinskoy sluzhby

Achievement award in medical services. Voen.-med. zhur. no.8:17-19 Ag '60. (MIRA 14:7)

(MEDICINE, MILITARY)

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VOROPAY, A.V., polkovnik meditsinskoy sluzhby

Shock workers of communist labor are the best hospital workers.
Voen.-med.zhur. no.9:12-15 S '61. (MIRA 15:10)
(HOSPITALS, MILITARY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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YOROPAY, I.I.

Physicogeographical regions in the Kuda River basin (southwestern cis-Baikal region). Nauch.dokl.vys.shkoly; geol.-geog.nauki no.2: 198-205 '58. (MIRA 12:2)

1. Chernovitskiy universitet, geograficheskiy fakul'tet, kafedra fizicheskoy geografii.
(Kuda Valley--Physical geography)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROVAY, L.I.; KURTSA, N.F.

Erosion processes in the middle Dniester Valley. Vest. Mosk. un. Ser. 5: Geog. 20 no.5:18-25 S-O '65. (MIRA 18:12)

1. Geograficheskiy fakul'tet Chernovitskogo gosudarstvennyy universiteta. Submitted December 12, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, N.M., inzh.; OSICHEV, V.P., inzh.; RUSAKOV, G.M., inzh.

Welding armature bodies for large electric motors. Svar.proizv. no.11:33-34 N '62. (MIRA 15:12)

1. Khar'kovskiy zavod "Elektrotyazhmash" im. V.I. Lenina.
(Electric motors--Welding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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L 3500-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACCESSION NR: AP5023083 UR/0125/65/000/009/0042/0046

621.791:546(621+56)

AUTHOR: Rabkin, D. M. (Doctor of technical sciences); Voropay, N. M. (Engineer)

TITLE: Welding of aluminum with copper

SOURCE: Avtomaticheskaya svarka, no. 9, 1965, 42-46

TOPIC TAGS: welding technology, silver solder, aluminum, copper, metal physical property, electric conduction

ABSTRACT: A literature survey of methods of obtaining permanent Al-Cu joints by pressure and fusion welding is presented. Pressure welding is the most widely used technique in such cases. Thus, for example, aluminum busbars can be reinforced with copper cover plates under a pressure of 8-10 kg/mm^2. The explosion welding of aluminum tubes (6 mm in diameter and 2 mm in thickness) with copper tubes requires a pressure of [illegible] kg/mm^2 with an extreme [illegible]

[illegible] is applicable only for [illegible] weld

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ACCESSION NR: AP5023083

ments. The production of bimetal Al-Cu sheets (cladding) is based on cold welding with simultaneous reduction in area by rolling. The welding of compact and hollow cylinders of Al with cylinders of Cu can be accomplished by friction welding. Other methods employed are: resistance spot welding, resistance butt welding, percussion welding, argon-arc welding, thermit welding. The physical properties and electric conduction of the Cu-Al compounds welded by the methods described above are, however, relatively low, owing to the presence of brittle intermetallic phases in the weld joint. This may be remedied to a large extent by depositing silver solder on the surface of copper prior to the welding. But the scarcity of silver limits the applicability of this technique. The whole survey shows that at present there exists no method that meets practical requirements. Hence, the development of new methods of pressure and fusion welding of aluminum with copper remains an urgent problem. Orig. art. has: 4 figures, 1 table.

ASSOCIATION: Institute electrosvarki im. Ye.O. Patona AN UkrSSR (Electric Welding Institute, AN UkrSSR)

SUBMITTED: 23Mar65 ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 018 OTHER: 031

Joining of dissimilar metals

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, P.I.

PHASE I BOOK EXPLOITATION SOV/6357

Bobrov, Nikolay Nikolayevich, and Petr Ivanovich Voropay

Primeneniye topliva i smazochnykh materialov (The Use of Fuels and Lubricants) Moscow, Gostoptekhizdat, 1962. 346 p. Errata slip inserted. 8180 copies printed.

Managing Ed.: M. M. Novikova; Tech. Ed.: V. V. Voronova; Ed. (title page): N. N. Bobrov.

PURPOSE: This textbook is intended primarily for students of nontechnical fields in petroleum institutes. It may also be used in other educational institutions.

COVERAGE: The physical and chemical properties of fuels and lubricants and their effect on the operation of engines, transmissions, etc. are described. Basic problems in the theory and design of engines and machinery are briefly reviewed with respect to fuels and lubricants and

Card 1/5 1/2

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their quality requirements. The characteristics of the liquid propellants T-1, TC-1, T-2, and T-5 are given (Ch. 4). The following oxidizers are described in Chapter 5: 1) LOX; 2) nitric acid and its compounds; and 3) hydrogen peroxide. The following have shown good possibilities as oxidizers: 1) fluorine and its compounds; 2) ozone; and 3) oxygen-chlorine compounds. The following are analyzed: 1) hydrocarbon fuels; 2) methyl and ethyl alcohols; 3) anilin, xylodin, and triethylamine; and 4) hydrazine, methyl hydrazine, symmetrical dimethylhydrazine, and NDMH (hydrazine was used as fuel in German Me-163 aircraft). Some data are given on beryllium (solid), aluminum (solid), lithium (solid), boron (solid), pentaborane (liquid), decarborane (solid), trimethylaluminum (liquid), and dimethylberyllium.

TABLE OF CONTENTS [Abridged]:

Card ~~2/5~~ 3/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, P.I.; ZHUKOV, G.V.; KAS'YANOV, V.M.; SHARPILO, I.G.

Air cooling in piston compressors by feeding water to an air flow. Mash. i neft. obor. no.7:30-33 '63. (MIRA 17:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina i Upravleniye "Krasnodarneft'".

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, P.I.; ZHUKOV, G.V.; KAS'YANOV, V.M.

Cooling of air piston compressors by injecting water at the inlet. Mash. i neft. obor. no.6:11-18 '63. (MIRA 17:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, P.I.; SERDIY, A.G.

Use of water injection at the inlet of piston compressors to make them more economical. Mash. i neft. obor. no.8: 43-46 '63. (MIRA 17:6)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, P.I.

Moistening a working medium in heat engines and compressors.
Gaz. delo no.10:19-23 '63. (MIRA 17:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gubkina.

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VOROPAY, P.I.; ZHUKOV, G.V.; KAS'YANOV, V.M.

Investigating the efficiency of cooling in feeding water to an air flow compressed by a rotor-gear pump. Mash. i neft. obor. no.10: 21-28 '63. (MIRA 17:4)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAY, P.I., inzh.

Effective method for cooling air in piston compressors. Prom. energ. 18 no.12:24-29 D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

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VOROPAY, P.I., inzh.; KHAYKIN, A.I., inzh.; MATVEYEV, B.M., mekhanik

Effectiveness of the humidification of air entering a piston-type compressor. Prom. energ. 19 no.11:26-30 N '64.

(MIRA 18:1)

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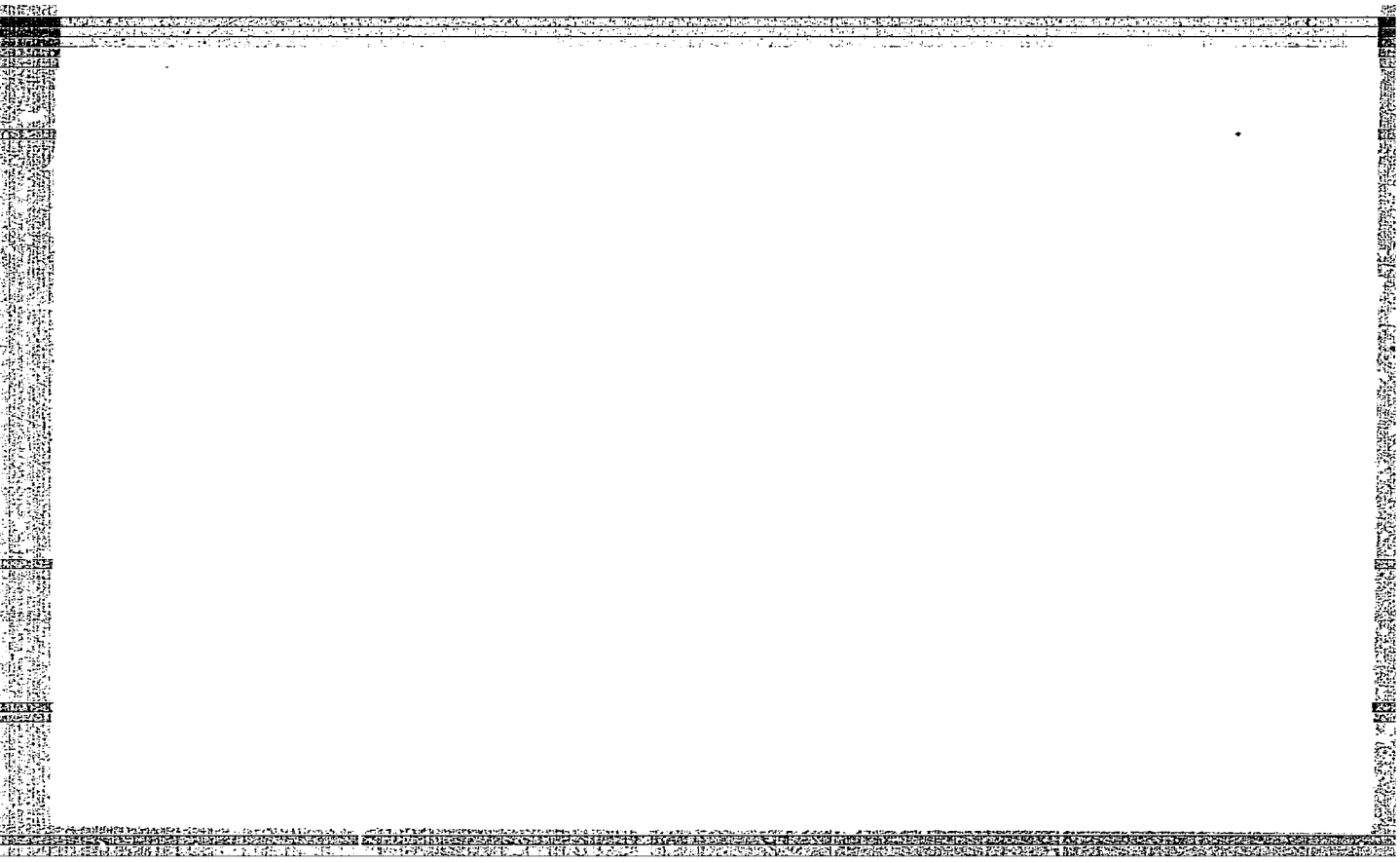

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OVECHKIN, Ye.K.; GERASIMENKO, Ye.I.; GUSAKOVA, L.A.; Prinimali uchastiye: SHESTAKOVA, L.A.; KOTILEVSKIY, V.I.; VOROPAY, S.A.

Development of the technology of production of highly dispersed calcium carbonate. [Trudy] NIOKHIM 15:19-63 '63.
(MIRA 18:2)

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VOROPAYEV, A.

Teplovaia Depressiia Shakhtnoi Ventiliatzji (Heat Depression of Ventilation in Mines) (Paper edition)

231 p. 1.00

SO: Four Continent Book List, April 1954

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VORONTAYEV, A. A.

Siberia - Wheat

Quality of the grain of prospective Siberian varieties. Sel. i sem. 20, No. 3, '53.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

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VORONAYEV, A. A.

25806. VORONAYEV, A. A. Urozhaynost' i kachestvo sortov rzhi pri dlitel'nom pereopylenii. Selektsiya i semenovodstvo, 1949, No. 8, s. 11-15

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

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VOROPAEV. A. A.

25806

Uroshaynost' I Kachestvo sortov rzhi pri dlitel'nom peroopylenii. Selektsiya isemenovod stvo, 1949, No. 8. s. 11-15.

SO: Letopis' No. 34

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, A.F. DOC TECH SCI

Dissertation: "Thermal Depression of Mine Ventilation."

7 October 49
Inst of Mining, Acad Sci USSR.

SC Vecheryaya Moskva
Sum 71

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VOROPAYEV, A. F.

20719. Voropayev, A.F. Termodinamicheskiy metod opredeleniya depressii estestvennoy tyagi v shakhtakh. Gornyy zhurnal, 1949, No. 7, s. 21-26

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

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VOROPAYeV, A. F.

23213 Vliyaniye teplovoy energii na dvizheeniye vozduzha v.shakhtakh.
Izvestiya akad. nauk sssr, otd-niye tekhn. nauk, 1949, No. 7, c. 1011-29

SO: LETOPIS' NO. 31, 1949

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, A.F.

2592. PROBLEM OF COMBATING HIGH TEMPERATURES IN COAL MINES.
Voropayev, A.F. (Ugol (Coal), Dec. 1953, 12-16). This author also criticizes Manukyan's (see previous abstract) concepts of heat exchange between the mine air and the rock during the ventilation process. Tests show that heat emission from rock at a depth of 1,000 m (not taking into account the heat formed as a result of oxidation processes and moisture evaporation), a short time after the driving of the roadway in question and at an air speed of 5 to 6 m/sec, increases the temperature of the air by only 1 to 2°C per 1,000 m of roadway. Manukyan's suggestion with regard to the sinking of additional shafts to avoid excessive distances between working faces and pit bottoms is therefore rejected, but the importance of using non-combustible materials for airway supports in order to prevent heat formation through oxidation is emphasized. (L). N.C.E.

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VOROPAYEV, A.F., professor, doktor tekhnicheskikh nauk.

Spontaneous reversal of air flow during mine fires. Ugol' 32 no.3:27-30 Mr '57. (MLRA 10:5)

(Mine fires) (Air flow)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

ABRAMOV, F.A., prof., doktor tekhn.nauk; BALTAYTIS, V.Ya., inzh.; BARON, L.I., doktor tekhn.nauk; BATALIN, S.A., dotsent, kand. tekhn.nauk; BYKOV, L.N., prof., doktor tekhn.nauk; VESELOVSKIY, V.S., prof., doktor tekhn.nauk; VLADIMIRSKIY, V.V., kand.tekhn. nauk [deceased]; VORONIN, V.N., doktor tekhn.nauk [deceased]; VORONINA, L.D., kand.tekhn.nauk; VOROPAYEV, A.F., prof.,dokt.tekhn. nauk; ZHUKOV, G.I.; KOMAROV, V.B., prof., doktor tekhn.nauk; KRICHEVSKIY, R.M., kand.tekhn.nauk; KSENOFONTOVA, A.I., dotsent, kand.tekhn.nauk; LIDIN, G.D., doktor tekhn.nauk; MILETICH, A.F., dotsent, kand.tekhn.nauk; MUSTEL', P.I., dotsent, kand.tekhn. nauk; NOVIKOV, K.P., kand.tekhn.nauk; OGIYEVSKIY, V.M., prof., doktor tekhn.nauk [deceased]; POLESIN, Ya.L., inzh.; RIPP, M.G., dotsent, kand.tekhn.nauk; SOBOLEV, G.G., inzh.; SOLOV'YEV, P.M., inzh.; SUKHAREVSKIY, V.M., kand.tekhn.nauk; KHEYFITS, S.Ya.,dotsent,

(Continued on next card)

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ABRAMOV, F.A.---(continued) Card 2.
kand.tekhn.nauk; KHODOT, V.V., kand.tekhn.nauk; SHCHERBAN', A.N.; TERPIGOREV, A.M., glavnyy red.; SKOCHINSKIY, A.A., otv. red.toma; ZAYTSEV, A.P., zam. otv.red.toma; BOBROV, I.V., red. toma; KOMAROV, V.B., red.toma; SIRYACHENKO, F.N., red.toma; VARZIN, A.V., kand.tekhn.nauk, red.toma; KLIMANOV, A.D., dots.,kand. tekhn.nauk, red.toma; KRIVONOGOV, K.K., inzh., red.toma; NEUIMIN, I.N., inzh., red.toma; TITOV, N.G., doktor tekhn.nauk, red.toma; CHIZHOV, B.D., kand.tekhn.nauk, red.toma; GNEDIN, V.Ye., red. izd-va; NIKOLAYEV, V.F., red.izd-va; BASHEVA, T.A., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.

[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red. A.M.Terpigorev. Chleny glav. red.: A.I.Barabanov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshl. Vol.6. [Mine atmosphere and ventilation; controlling dust, gases, and fires; mine rescue work] Rudnichnaia atmosfera i ventiliatsiia; Bor'ba s pyl'iu, gazami i pozharami; Gornospasatel'noe delo. Redkollegiia toma: A.A.Skochinskii i dr. 1959. 375 p. (MIRA 12:6)

1. Chlen-korrespondent AN USSR (for Shcherban').
(Mine ventilation) (Mine rescue work)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

BUCHNEV, V.K., prof., doktor tekhn. nauk; KALININ, R.A., dotsent; KORABLEV, A.A., kand. tekhn. nauk; MONIN, G.I., inzh.; BELYAYEV, V.S., kand. tekhn. nauk; MERKULOV, V.Ye., inzh.; ALEKSEYENKO, V.D., inzh.; IL'SHTEYN, A.M., kand. tekhn.nauk; GELESKUL, M.N., kand. tekhn.nauk; KOBISHCHANOV, M.A., kand. tekhn.nauk; DOBROVOL'SKIY, V.V., kand. tekhn. nauk; MALYSHEV, A.G., inzh.; VOROPAYEV, A.F., prof., doktor tekhn. nauk; LIDIN, G.D., prof., doktor tekhn.nauk; TOPCHIYEV, A.V., prof.; VEDERNIKOV, V.I., kand. tekhn.nauk; KUZ'MICH, I.A., kand. tekhn. nauk; LEYTES, Z.M., inzh.; SYSOYEVA, V.A., kand. tekhn. nauk; MELAMED, Z.M., kand. tekhn.nauk; CHERNAVKIN, N.N., inzh.; KARPILOVICH, M.Sh., inzh.; MEL'KUMOV, L.G., inzh.; BOGOPOL'SKIY, B.Kh., inzh.; FROLOV, A.G., doktor tekhn.nauk; KHVOSTOV, F.K., inzh.; BAGASHEV, M.K., kand. tekhn. nauk; KAMINSKIY, I.N., inzh.; PETROVICH, T.I., inzh.; ZHUKOV, V.V., red. izd-va; LOMILINA, L.N., tekhn. red.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining engineers' handbook]Spravochnik gornogo inzhenera. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. (MIRA 14:1)

(Mining engineering--Handbooks, manuals, etc.)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, Aleksandr Frolovich; KREMNEV, O.A., doktor tekhn. nauk, retsenzent; CHIZHOV, B.D., otv. red.; RATNIKOVA, A.P., red. izd-va; SHKLYAR, S.Ya., tekhn. red.

[Temperature control in deep mines] Upravlenie teplovym rezhimom v glubokhikh shakhtakh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 246 p. (MIRA 15:2)
(Mine ventilation) (Heat--Transmission)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, A.F., doktor tekhn.nauk; LUK'YANOV, Yu.P., inzh.;
KRIVORUCHKO, A.M., inzh.

Study of heat emission from oxidation processes in Donets Basin mines. Trudy Sem.po gor.teplotekh. no.4:53-56 '62.
(MIRA 15:8)

1. Khar'kovskiy gornyy institut.
(Mine ventilation)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, A.F., doktor tekhn.nauk

Heat parameters of a ventilating current in an evenly workable mining area. Trudy Sem.po gor.teplotekh. no.4:25-28 '62. (MIRA 15:8)

1. Khar'kovskiy gornyy institut.
(Mine ventilation)

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L 00650-67 EWT(m)/T/EWP(t)/ETI IJP(c) GD/JD

ACC NR: AT6016346 (N) SOURCE CODE: UR/0000/65/000/000/0104/0109

AUTHORS: Kunin, N. F.; Zhilik, K. K.; Voropayev, A. G.; Samokhval, V. V. 18

ORG: Belorussian State University im. V. I. Lenin (Belorusskiy gosudarstvennyy universitet) 17 B+1

TITLE: Thermal treatment of silver, copper, and tin vacuum condensates 27 27 27

SOURCE: AN UkrSSR. Podvizhnost' atomov v kristallicheskoy reshetke (Mobility of atoms in crystal lattice). Kiev, Izd-vo Naukova dumka, 1965, 104-109

TOPIC TAGS: ~~thin~~ metal film, silver, copper, tin, metal heat treatment, activation energy

ABSTRACT: The laws for stabilizing the properties of silver, tin, and copper thin films are investigated in order to remove the data scatter in their properties caused by the method of film preparation and to study the nature of the defects present in the freshly deposited films. The films were deposited on a glass substrate at room temperature in a 10^{-4} mm Hg vacuum. After deposition, the metal films were spontaneously aged at room temperature for 50 hrs during which time their resistance decreased gradually. The heat treatment for tin was made at 150C in hydrogen as well as in air, without an irreversible change in its resistance. The heat treatment for silver was at 70--120C and for copper at 150--200C. The results are shown on graphs and tables. Plots are given of resistance versus time, relative change in film resistance versus

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L 00650-67

ACC NR: AT6016346

time, activation energy as a function of temperature, and curves of resistivity versus film thickness. The results show that in freshly deposited silver and copper films there exist many structural defects with widely varying spectra of activation energies. Also, the heat treatment stabilizes the film properties of all three metals. Orig. art. has: 4 formulas, 4 figures, and 2 tables.

SUB CODE: 11/ SUBM DATE: 10Nov64/ ORIG REF: 003/ OTH REF: 002

Card 2/2 pb

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

L 00667-67

ACC NR: AP6035481 SOURCE CODE: HU/0028/66/013/001/0053/0058

14
B

VOROS-FELKAI, Gyorgyi, National Institute of Public Health [original-language version not given] in Budapest (Director: BAKACS, T.).

"Incidence of Rhodotorula Species in Urban Air"

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol 13, No 1, 2 Jun 1966, pp 53-58.

Abstract: [English article] Rhodotorula and Cryptococcus were the most commonly encountered yeast species in the pollution of air over Budapest. No seasonal difference was observed in the incidence of the 100 Rhodotorula strains isolated, representing 12 species. Of the isolated strains, 34% belonged to Rhodotorula glutinis, 26% to Rhodotorula mucilaginosa, 16% to Rhodotorula rubra, and 11% to Rhodotorula minuta. The incidence data and some morphological information was presented in tabular form. Orig. art. has: 1 table. [JPRS: 36,834]

TOPIC TAGS: saccharomyces, air pollution

SUB CODE: 06 / SUBM DATE: 20Nov65 / ORIG REF: 005 / OTH REF: 019

Card 1/1 fv

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

IOVLEV, Aleksey Mikhaylovich, polkovnik, kandidat istoricheskikh nauk; VOROPAYEV, Dmitriy Antipovich, podpolkovnik, kandidat istoricheskikh nauk; LYALIKOV, B.S., polkovnik, redaktor; SLEPTSOVA, Ye.N., tekhnicheskiy redaktor

[The struggle of the Communist Party in building up military cadres (1918-1941)] Bor'ba Kommunisticheskoy partii za sozdanie voennykh kadrov (1918-1941 gg.). Moskva, Voen.izd-vo Ministerstva obor. SSSR, 1956. 118 p. (MLRA 9:7)
(Russia--Army--History)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, B.P.

VOROPAYEV, B.P., tekhnik.

Automatic switching in and off of air-heating radiators. Energetik 5 no.12:14-15 D '57. (MIRA 10:12)
(Radiators)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, G.V., Cand Tech Sci — (diss) "Technical economic substantiation of water ~~economy~~ management measures. (On the example of Volgograd irrigation system)." Mos, 1959. with graphs (Min of Agriculture. Mos Inst of Engineers of Water ~~Economy~~ Management im V.R. Vil'yams). 150 copies (KL,39-59, 104)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, A.S.; POPOV, F.I.

Electric gun for welding plastics. Mashinostroitel' no. 1:27 Ja '66
(MIRA 19:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

NATAL'CHUK, M.F., dots.; SHEYNKIN, G.Yu., kand. tekhn. nauk; VEDENYAPIN, V.Ye., inzh.; VOROPAYEV, G.V., inzh.; GORBUNOVA, Ye.N., inzh.; TROITSKIY, A.A., red.; STARETS, R., red.; POLTORAK, I., tekh. red.

[Organizing concentrated irrigation of cotton] Organizatsiia sosredotochennykh polivov khlopchatnika. Stalinabad, Tadzhikskoe gos. izd-vo, 1958. 33 p. (MIRA 11:10)
(Cotton growing) (Irrigation farming)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, G.V., kand.tekhn.nauk (g.Alma-Ata)

Important contribution to the science and practice of land improvement ("Economics of water management" by D.T. Zuzik. Reviewed by G.V. Voropaev). Gidr. i mel. 12 no. 12:56-59 D '60. (MIRA 14:1)
(Water resources development--Economic aspects)
(Zuzik, D.T.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, G.V., kand. tekhn. nauk (Alma-Ata); GORYUNOV, M.S., kand. tekhn. nauk (Alma-Ata)

Make fuller use of irrigation and water supply resources in the south of Kazakhstan. Gidr. i mel. 15 no.2:56-57 F '63. (MIRA 16:4)

(Kazakhstan—Irrigation farming)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

GORYUNOV, N. S., kand. tekhn. nauk; VOROPAYEV, G. V., kand. tekhn. nauk

"Furrow irrigation of steep slopes in the Chu Valley" by K. A. Zharova. Reviewed by N. S. Goriunov, G. V. Voropaev. Gidr. i mel. 15 no.3:56-57 Mr '63. (MIRA 16:4)

1. Kazakhskiy institut vodnogo khozyaystva.

(Chu Valley--Irrigation)
(Zharova, K. A.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, Grigoriy Vasil'yevich; YEGOROVA, V., red.

[Organization of irrigation work] Organizatsiia polivnykh rabot. Alma-Ata, Kainar, 1965. 136 p. (MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, I.G.; ROGOZHEVA, M.F.

Mechanized harvesting of pulse crops. Zemledelie 4 no.7:107-108 Jl '56. (MLRA 9:9)
(Tambov Province--Legumes) (Harvesting machinery)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

MIKELADZE, G.Sh.; NADIRADZE, Ye.M.; PKHAKADZE, Sh.S.; GOGORISHVILI, B.P.; DGEBAUDZE, G.A.; SOLOSHENKO, P.S.; SEMENOV, V.Ye.; BARASHKIN, I.I.; SHIRYAYEV, Yu.S.; POSPELOV, Yu.P.; KATSEVICH, L.S.; ROZENBERG, V.L.; Prinimali uchastiye: LORDKIPANIDZE, I.S.; TSKHVEDIANI, R.N.; DZODZUASHVILI, A.G.; DUNIAVA, A.G.; PERARSKIY, L.F.; GRITSFNYUK, Yu.V.; ZHELTOV, D.D.; LUZANOV, I.I.; GLADKOVSKIY, V.P.; PODMOGIL'NYY, V.P.; VOROPAYEV, I.P.; BRIKOVA, O.V.; VRUBLEVSKIY, Yu.P.; KLYUYEV, V.I.; BAYCHER, M.Yu.; LOGINOV, G.A.; SHILIN, V.K.; POPOV, A.I.; ZASLONKO, S.I.

Industrial experiments in the smelting of 45 o/o ferrosilicon in a heavy-duty closed electric furnace. Stal' 25 no.5:426-429 My '65. (MIRA 18:6)

1. Gruzinskiy institut metallurgii (for Lordkipanidze, TSkhvediani, Dzodzuashvili, Guniava). 2. Nauchno-issledovatel'skiy i proyektnyy institut metallurgicheskoy promyshlennosti (for Brikova, Vrublevskiy, Klyuyev). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrotermicheskogo oborudovaniya (for Baycher, Loginov, Shilin, Popov, Zaslonko).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, I.S.; CHETYRKIN, M.P.

Burning crude lignin. Gidroliz. i lesokhim. prom. 8 no.6:18-19 '55. (MLRA 9:1)

1.Direktor Leningradskogo gidrolisnogo zavoda (for Voropayev).
2.Nachal'nik kotel'noi (for Chetyrkin)
(Lignin) (Fuel)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861010013-0

VOROPAYEV, I.S.

First establishment of the hydrolysis industry. Gidroliz. i lesokhim. prom. 9 no.1:3-4 '56. (MLRA 9:6)

1.Direktor Leningradskogo gidroliznogo zavoda.
(Leningrad--Hydrolysis)

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